

United States Patent [19]
Yukitake et al.

[11] Patent Number: 5,745,182
[45] Date of Patent: Apr. 28, 1998

[54] METHOD FOR DETERMINING MOTION
COMPENSATION

0395440A2 10/1990 European Pat. Off.
0447068A2 9/1991 European Pat. Off.
0484140A2 5/1992 European Pat. Off.

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[21] Appl. No.: 278,010

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[22] Filed: Jul. 20, 1994

Related U.S. Application Data

(List continued on next page.)

[62] Division of Ser. No. 970,046, Nov. 2, 1992, Pat. No.
5,369,449.

Foreign Application Priority Data

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Nov. 8, 1991 [JP] Japan 3-293004
Jul. 9, 1992 [JP] Japan 4-131980

[57] **ABSTRACT**

[51] Int. Cl.⁶ H04N 7/32
[52] U.S. Cl. 348/416; 348/699
[58] Field of Search 348/413, 416,
348/699, 400-402, 407, 409-412, 384,
390, 415; 382/232, 236, 238; H04N 7/137

A method for predicting motion compensation for determin-
ing of an input image based on a motion vector of the input
image from this input image to a reference image which has
been sampled at a first set time, and the method includes
calculating a motion vector of the input image based on a
move, at a second set time, of a block unit which is a part
of the input image and consists of a plurality of pixels, and
calculating a motion vector of the reference image based on a
move, at the first set time, of a block unit which is a part
of the reference image and consists of a plurality of pixels.
Move compensation of the input image is calculated both
from the motion vector of the input image and from the
motion vector of the reference image, to thereby realize a
method for determining motion compensation with high
precision.

[56] **References Cited**

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3 Claims, 6 Drawing Sheets

